

FIG. 1

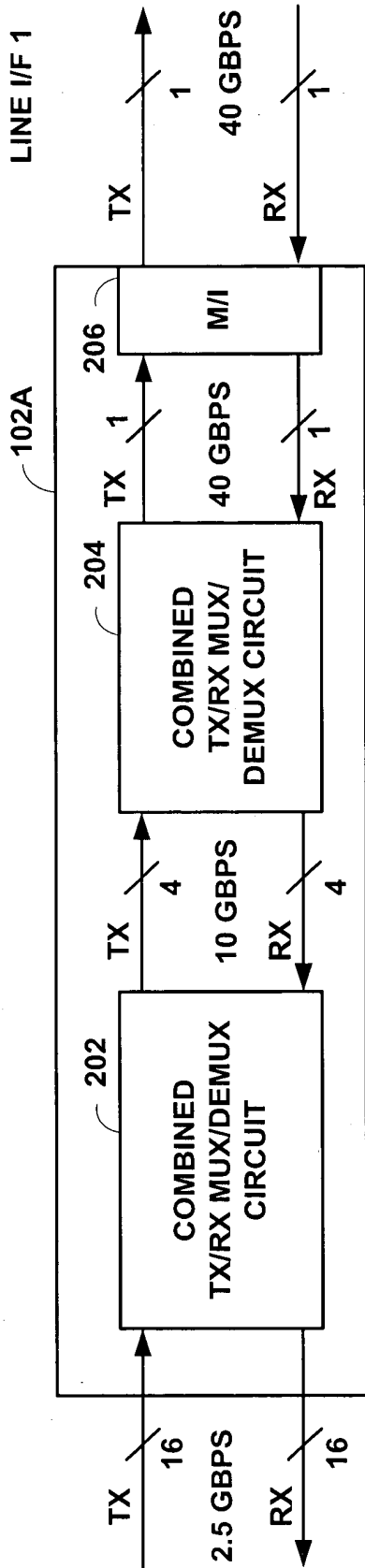


FIG. 2A

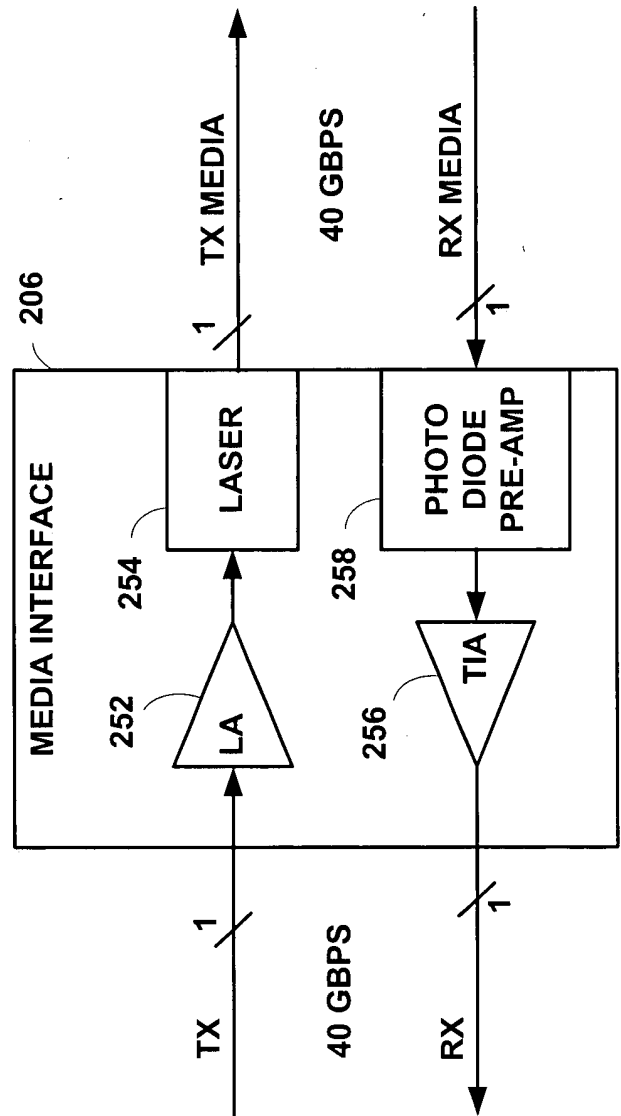


FIG. 2B

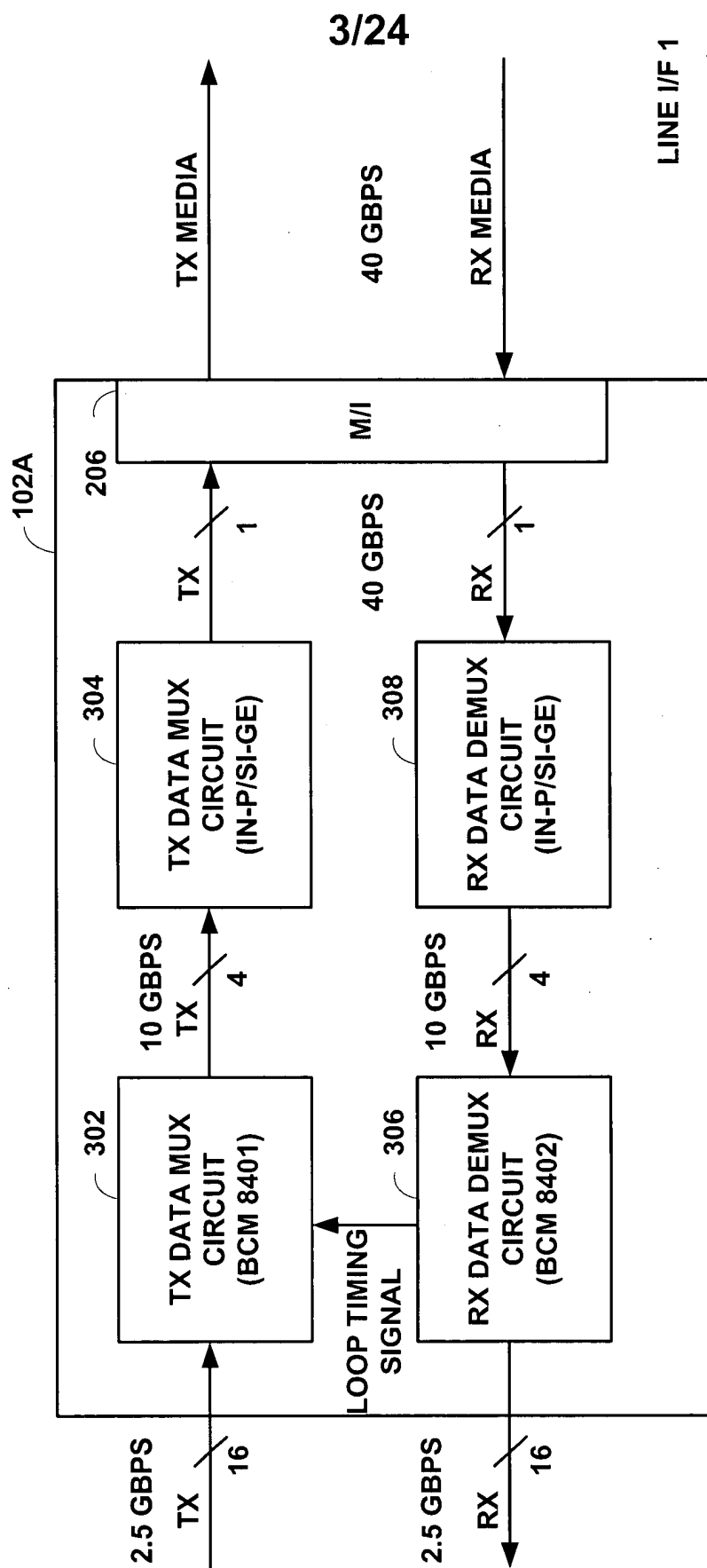


FIG. 3

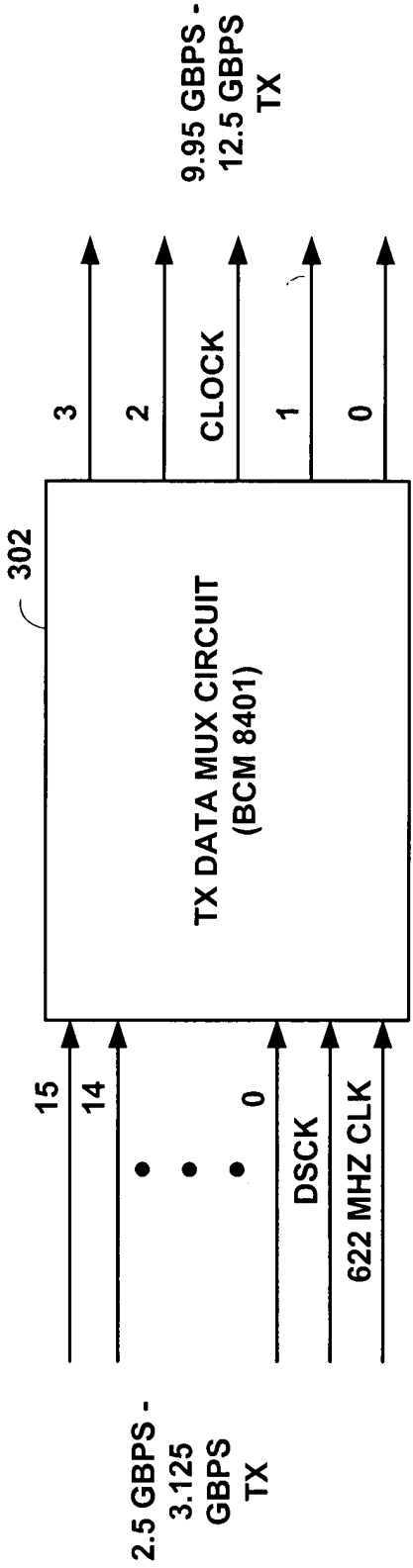


FIG. 4A

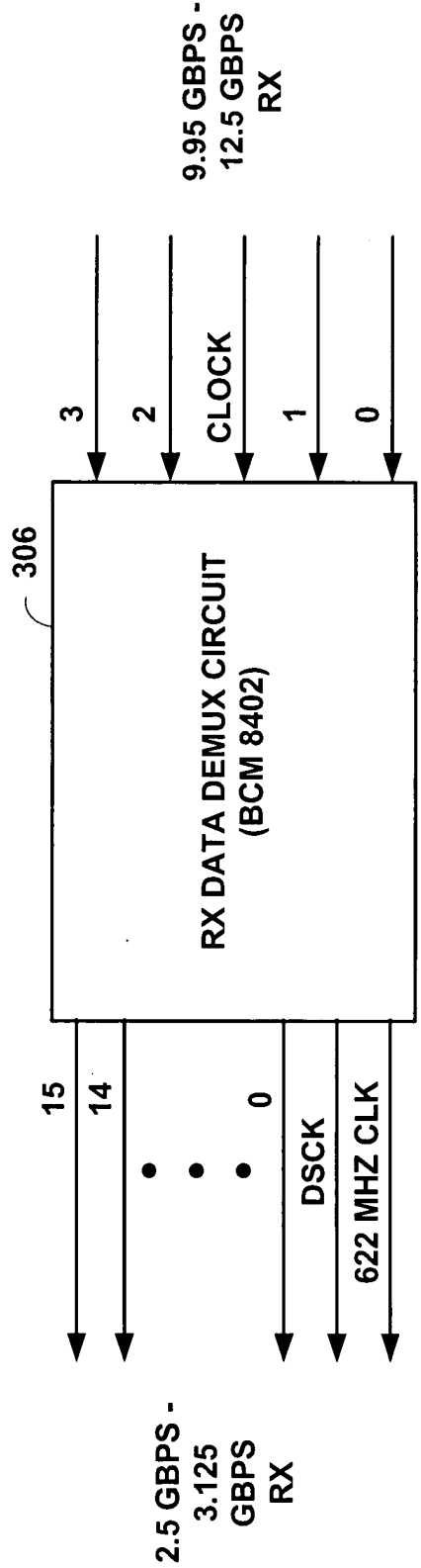


FIG. 4B

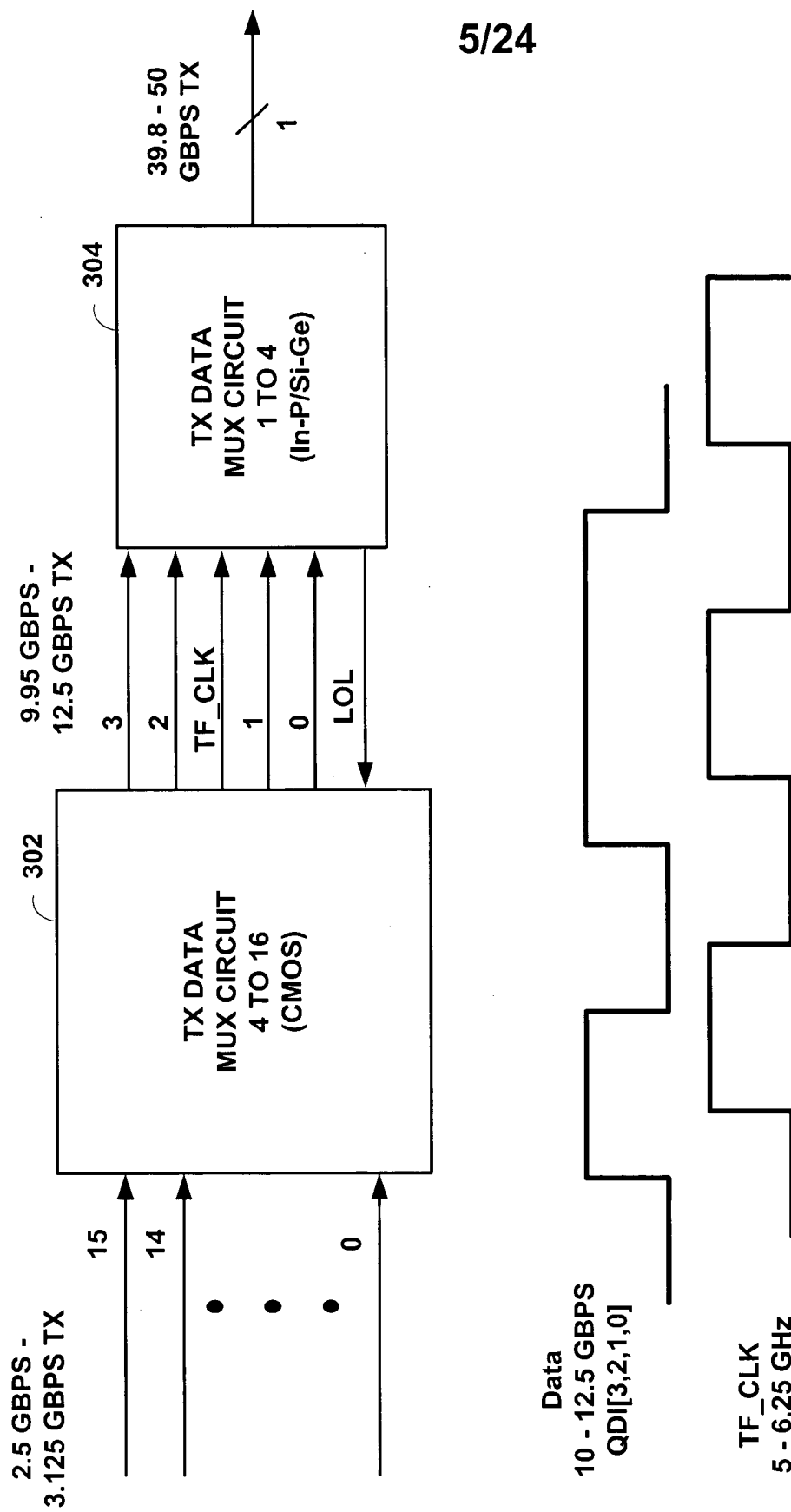
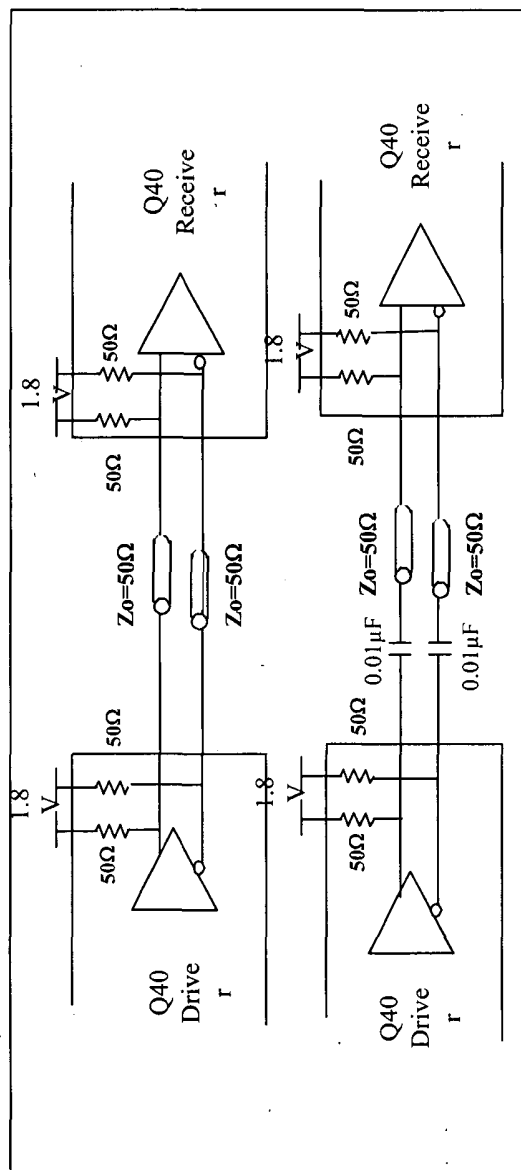


FIG. 5

**FIG. 6**

<i>Parameter</i>	<i>Symbol</i>	<i>Conditions</i>	<i>Min</i>	<i>Typ</i>	<i>Max</i>	<i>Units</i>
Output Common Mode	V <sub>cm</sub>	See Figure Below	1575	1675	1775	mV
Single Ended Output Impedance	Z <sub>SE</sub>		40	50	60	Ω
Differential Input impedance	Z <sub>d</sub>		80	100	120	Ω
Input Impedance Mismatch	Z <sub>M</sub>				10	%
Q40, CML Input Differential Amplitude, p-p	Δ VQDO	See Figure Below	400	500	600	mV
Q40 Input Rise and Fall Time (20% to 80%)	t <sub>RH</sub> , t <sub>FH</sub>			2.5	35	ps
Differential output return loss*	S11	Up to 7.5 GHz	10			dB

4-by-1 mux input return loss >15 db at 10 GHz



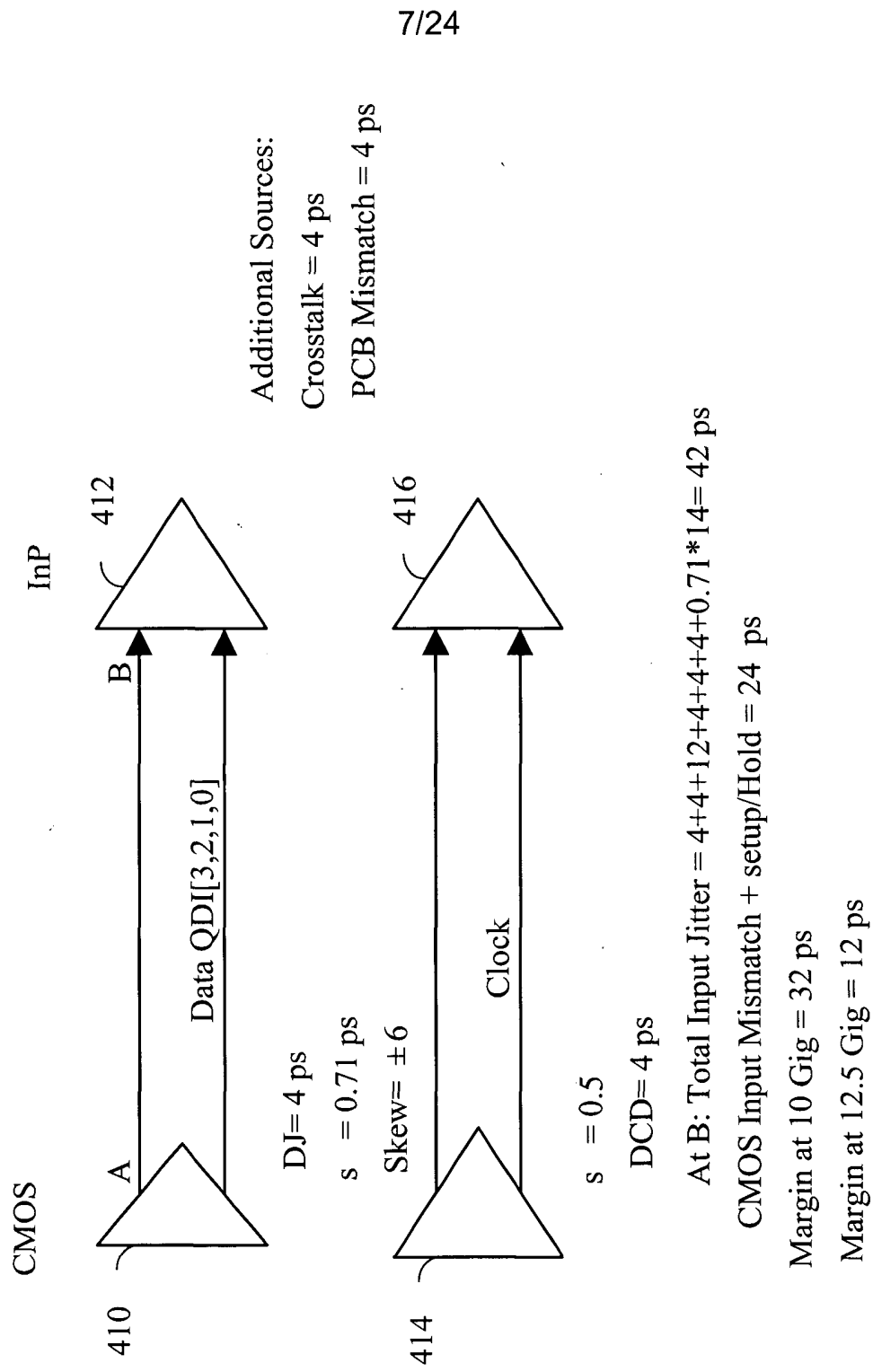
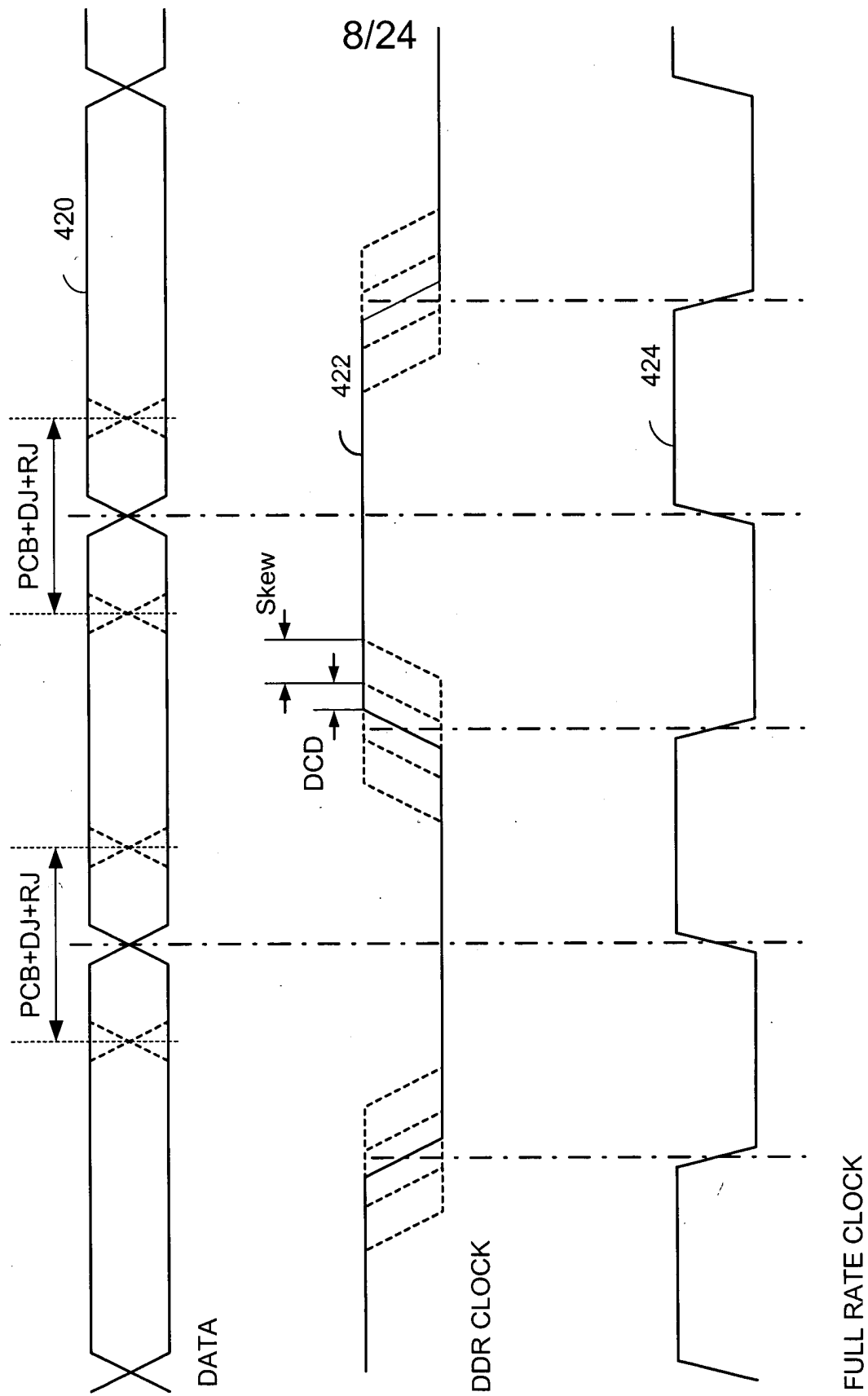


FIG. 7

# Transmit and Receive



**FIG. 8**



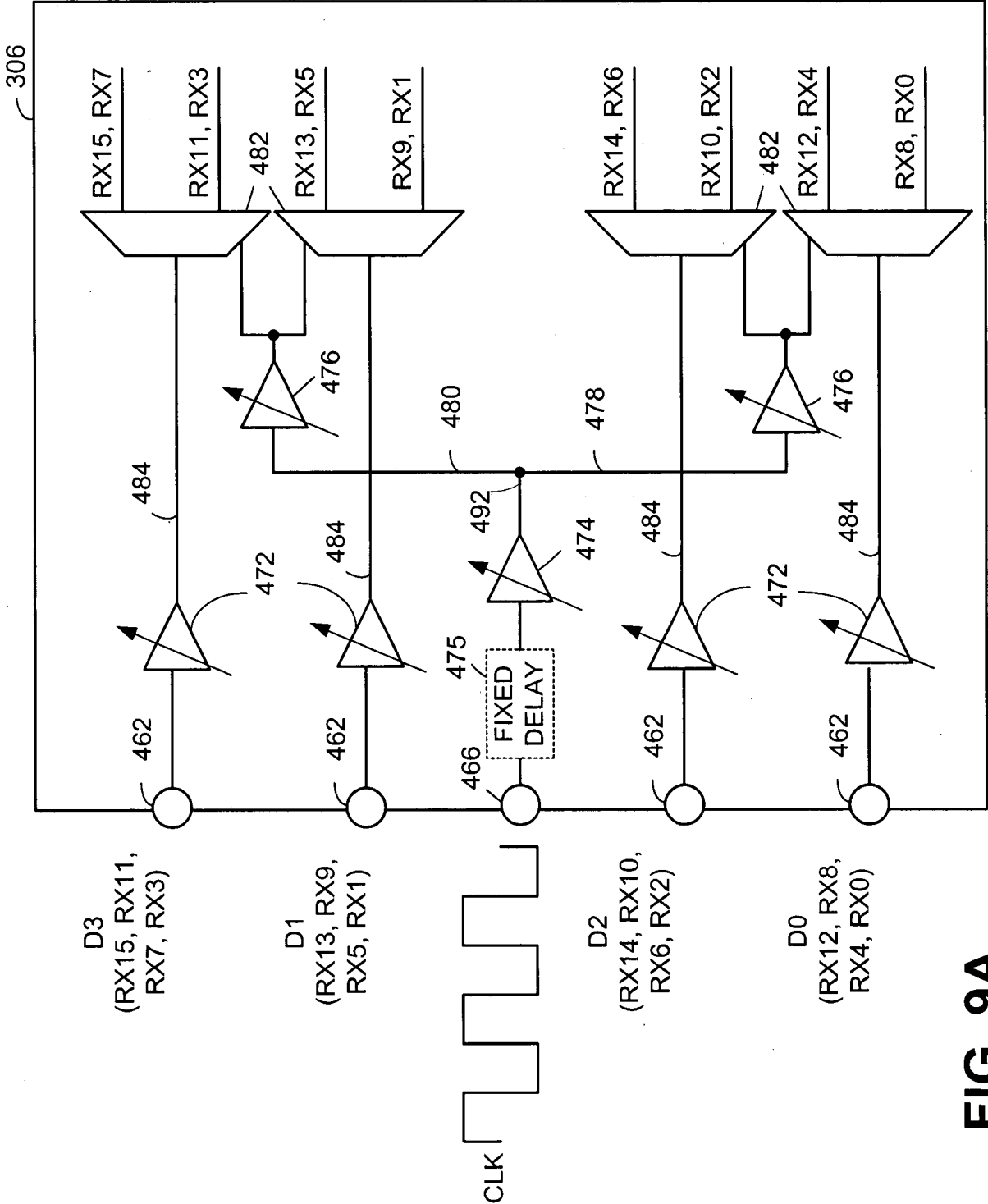


FIG. 9A

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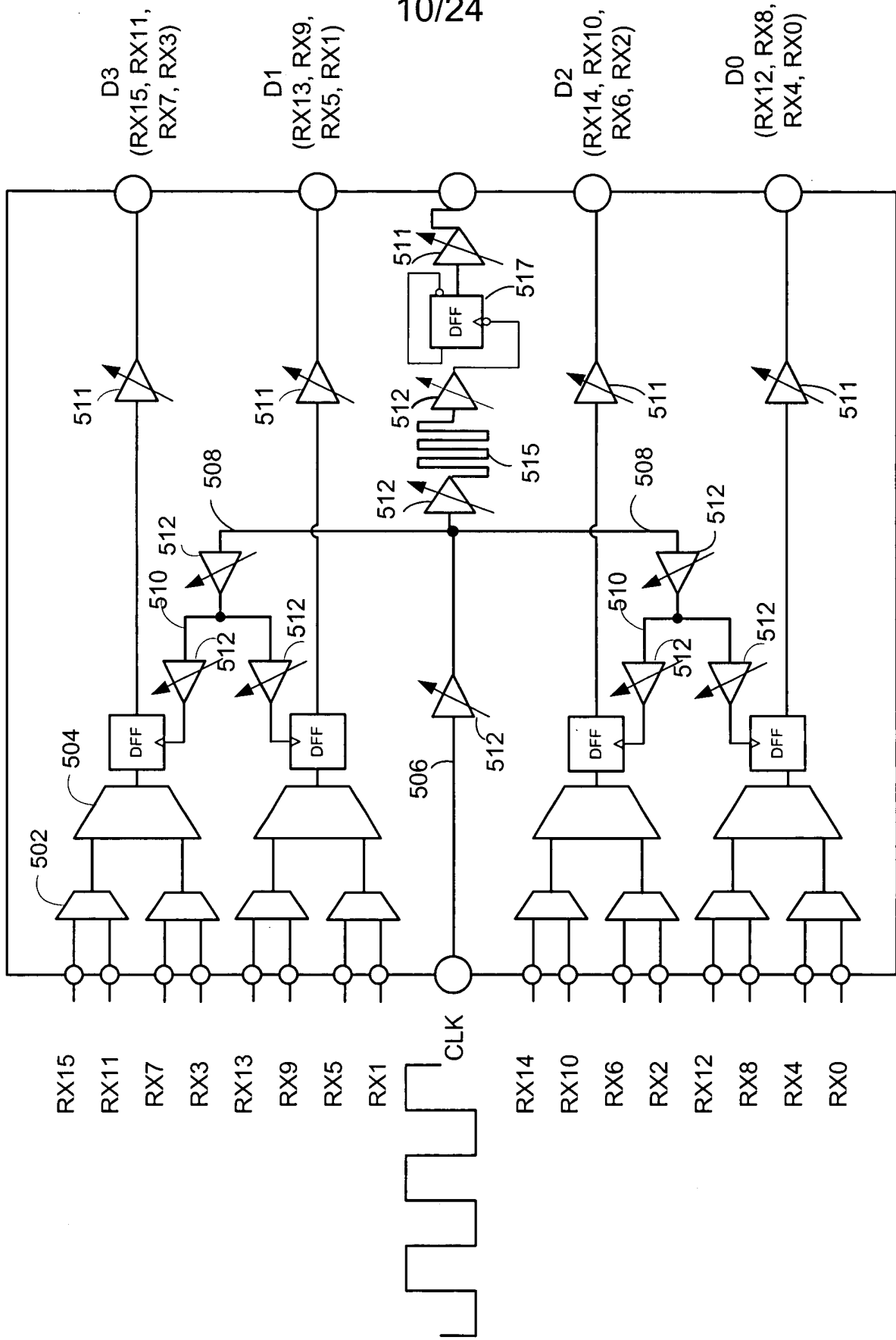


FIG. 9B

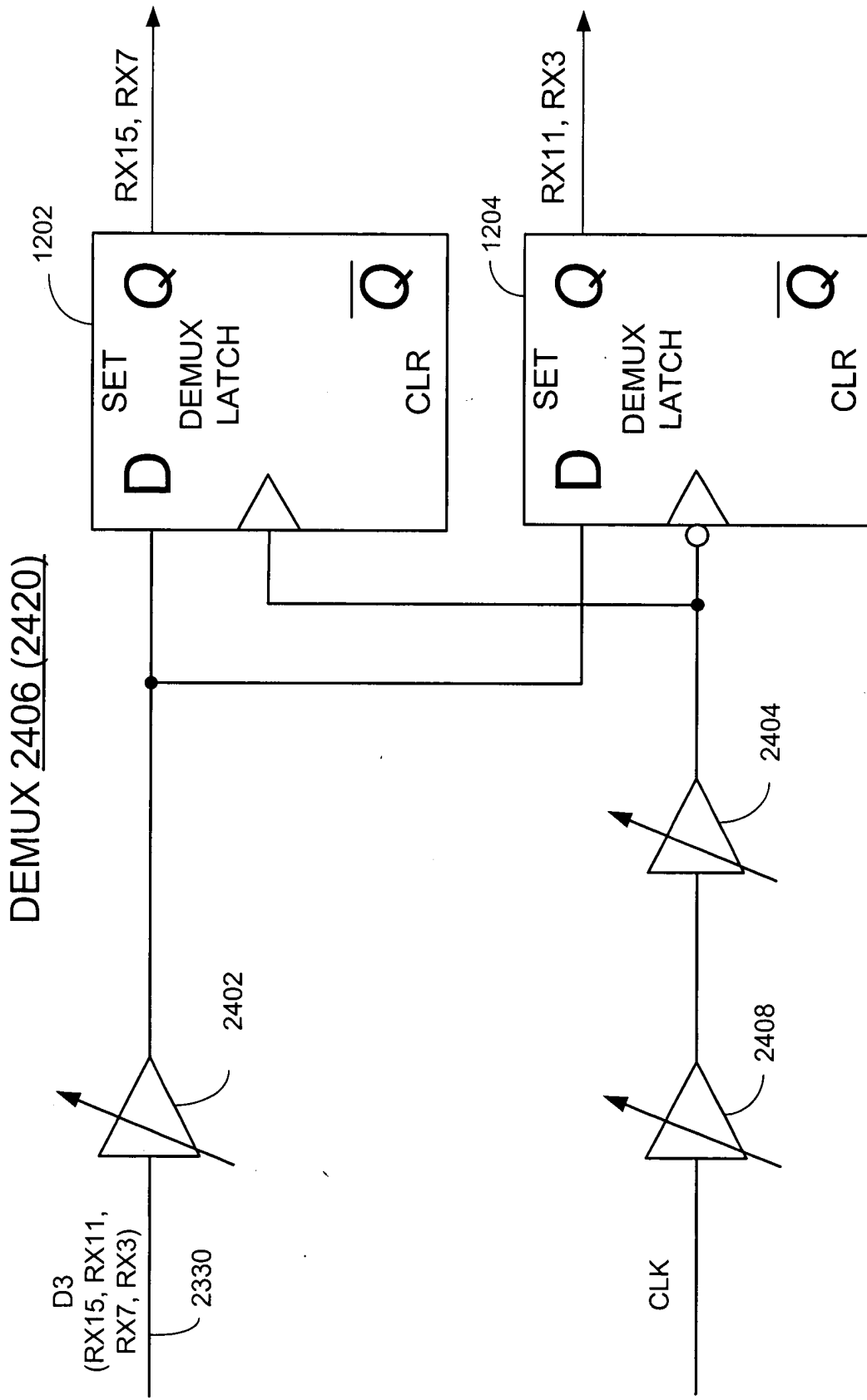


FIG. 10A

# DEMUX LATCH 1202, 1204

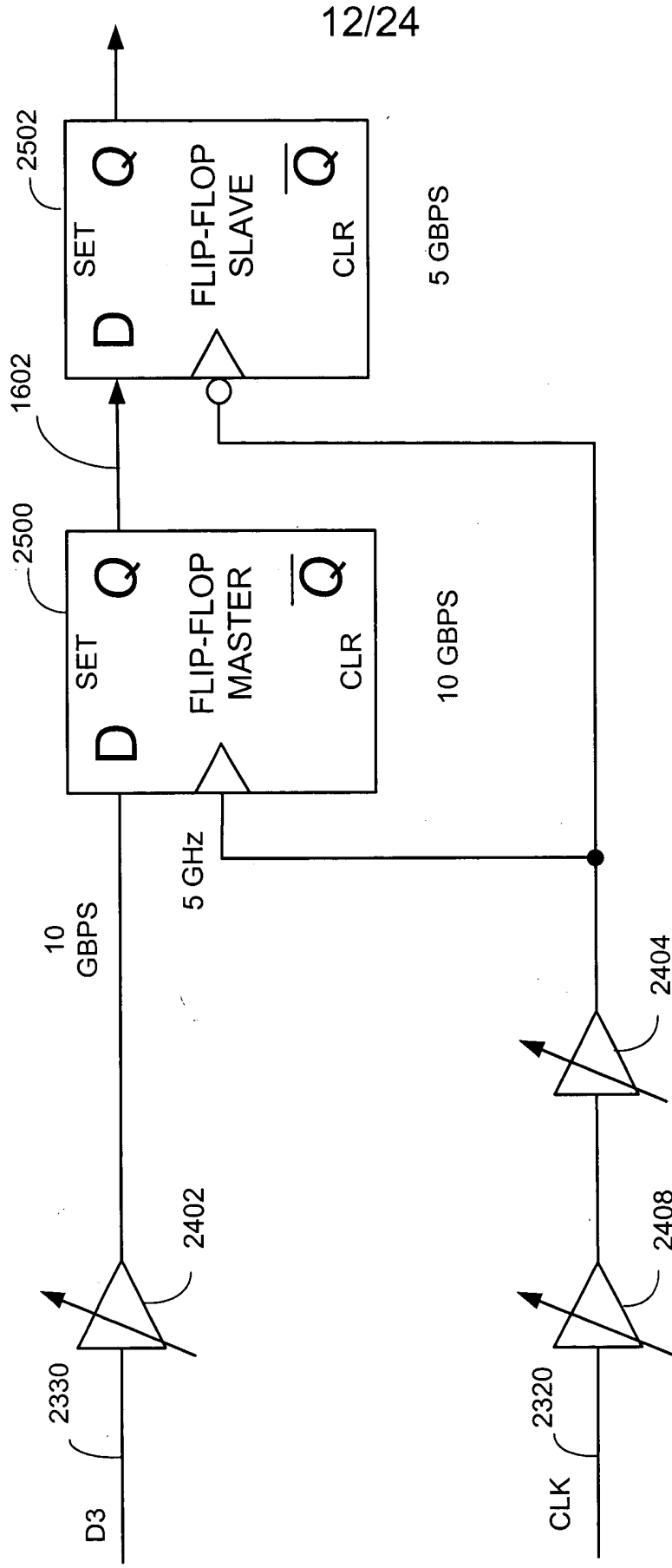


FIG. 10B

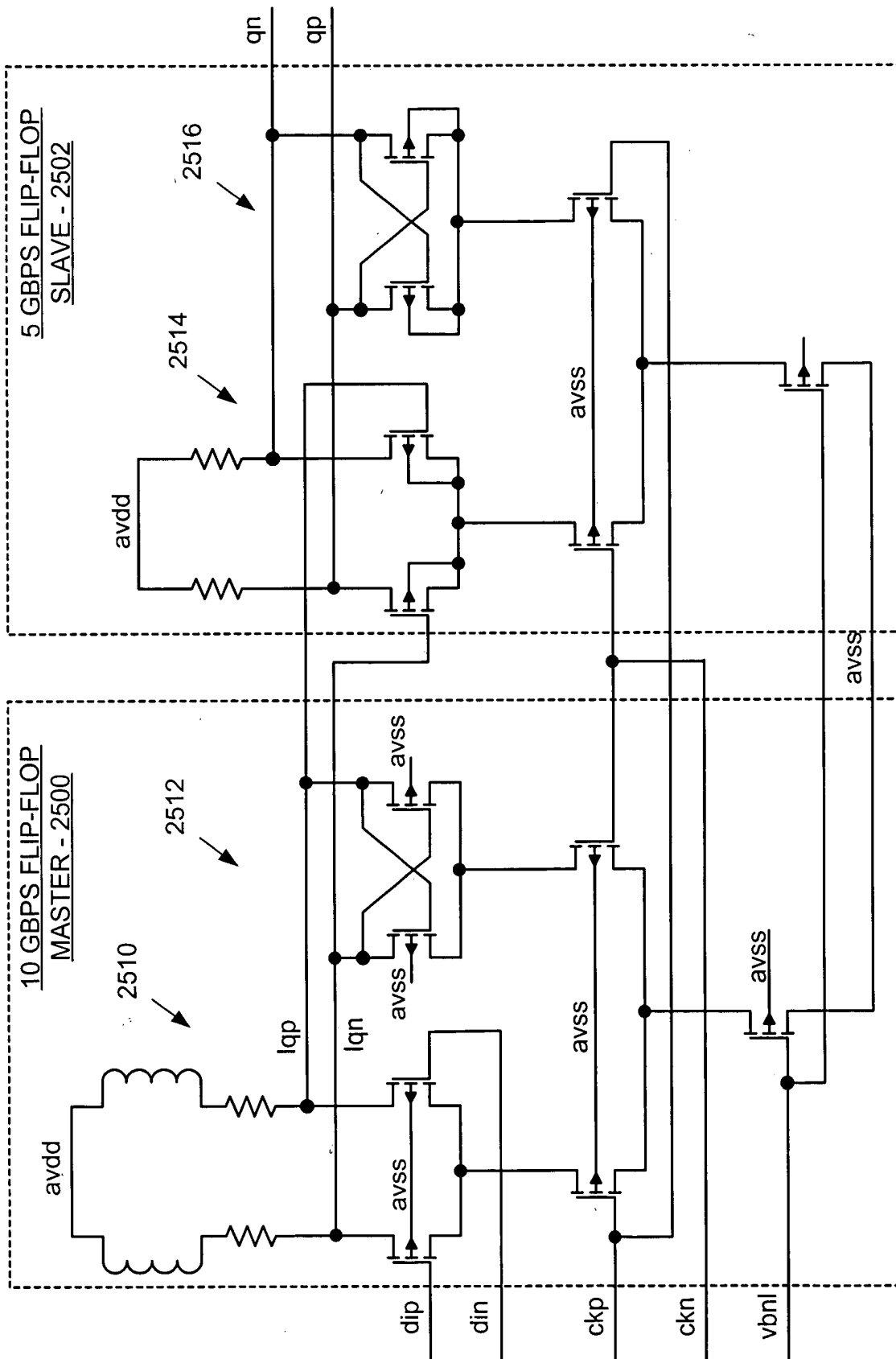


FIG. 10C

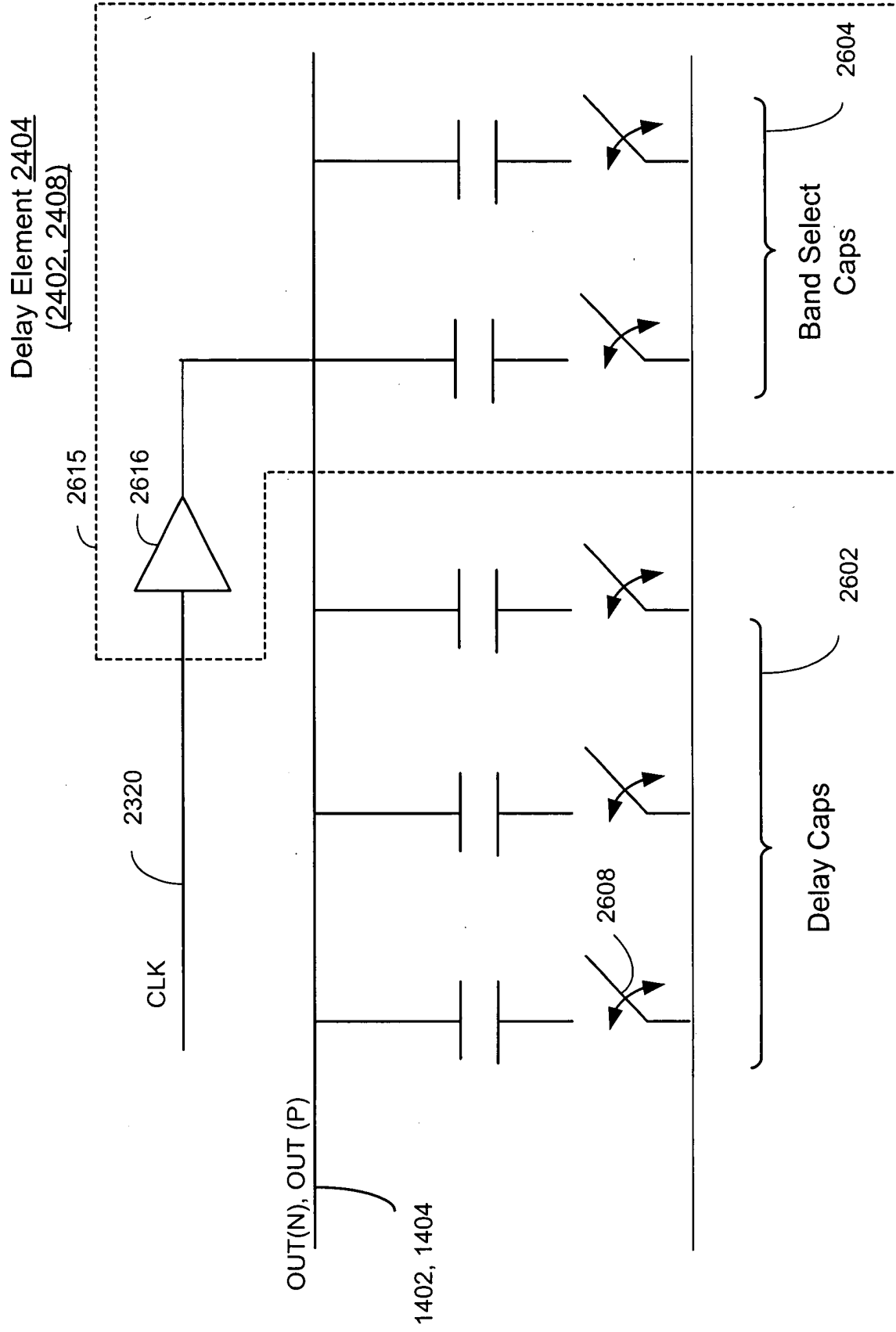


FIG. 11

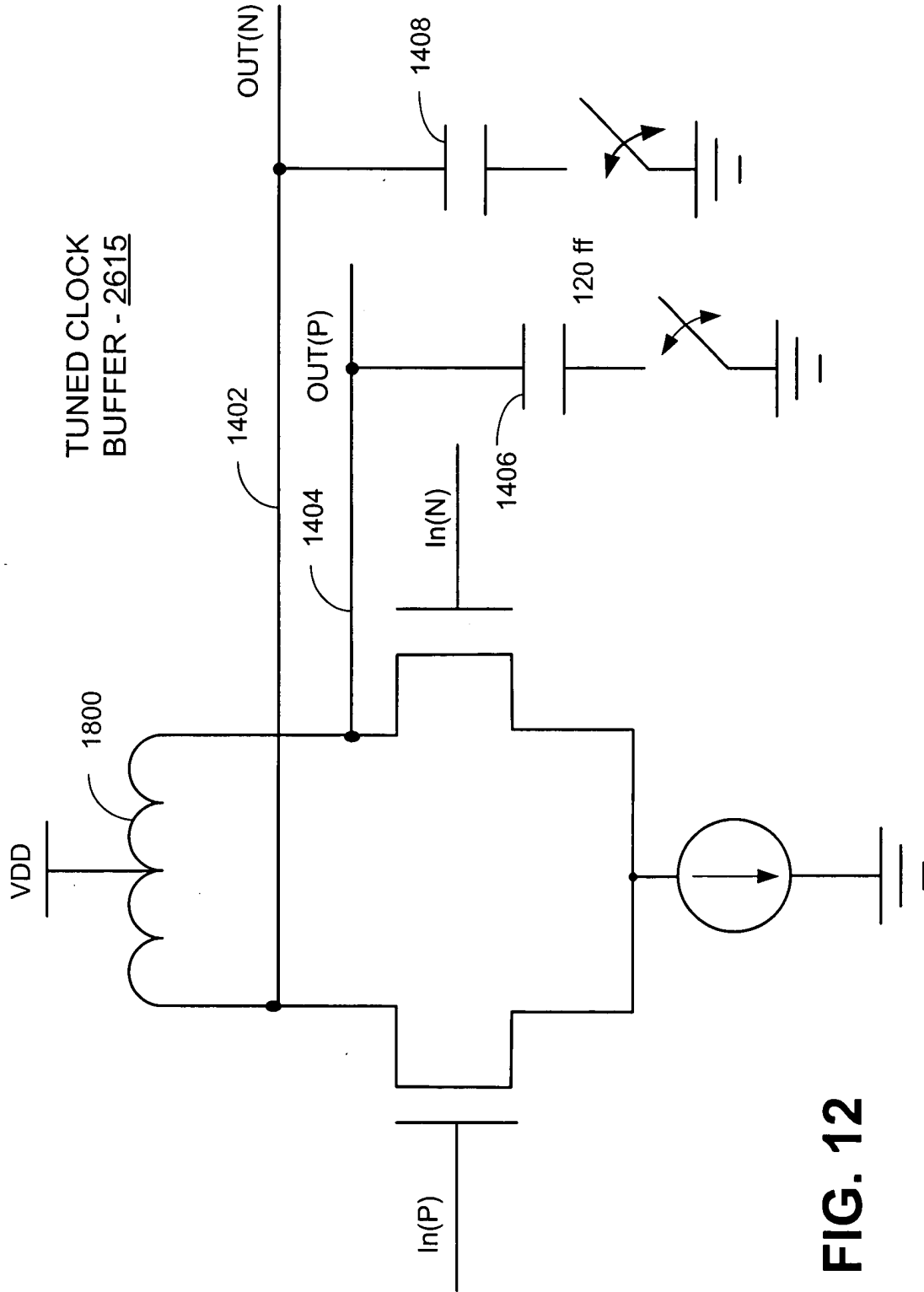
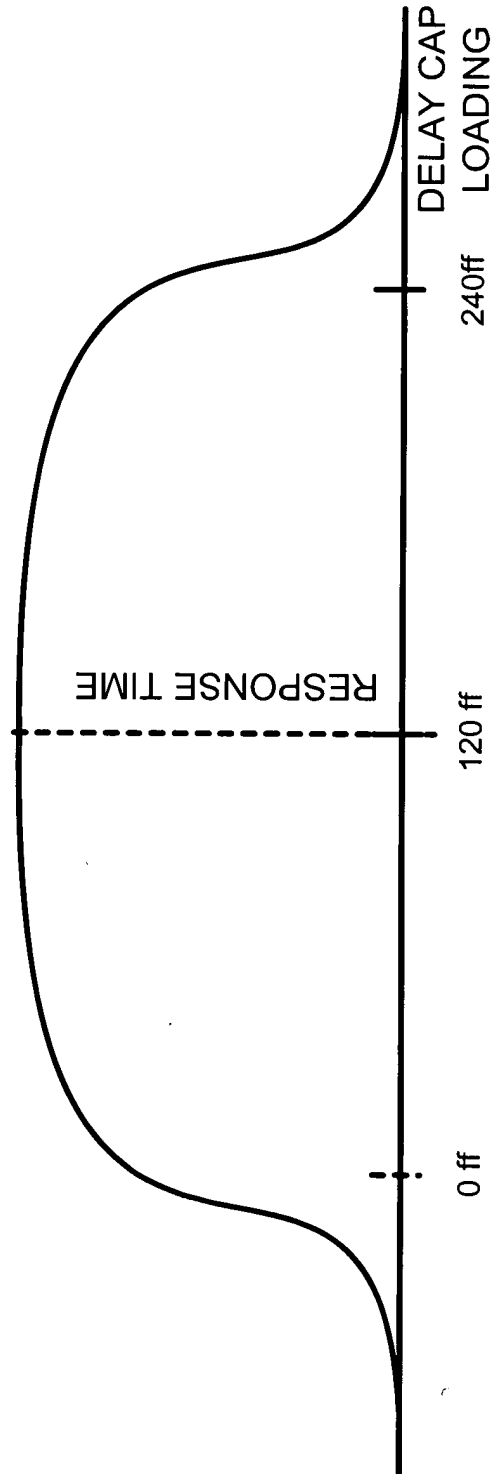
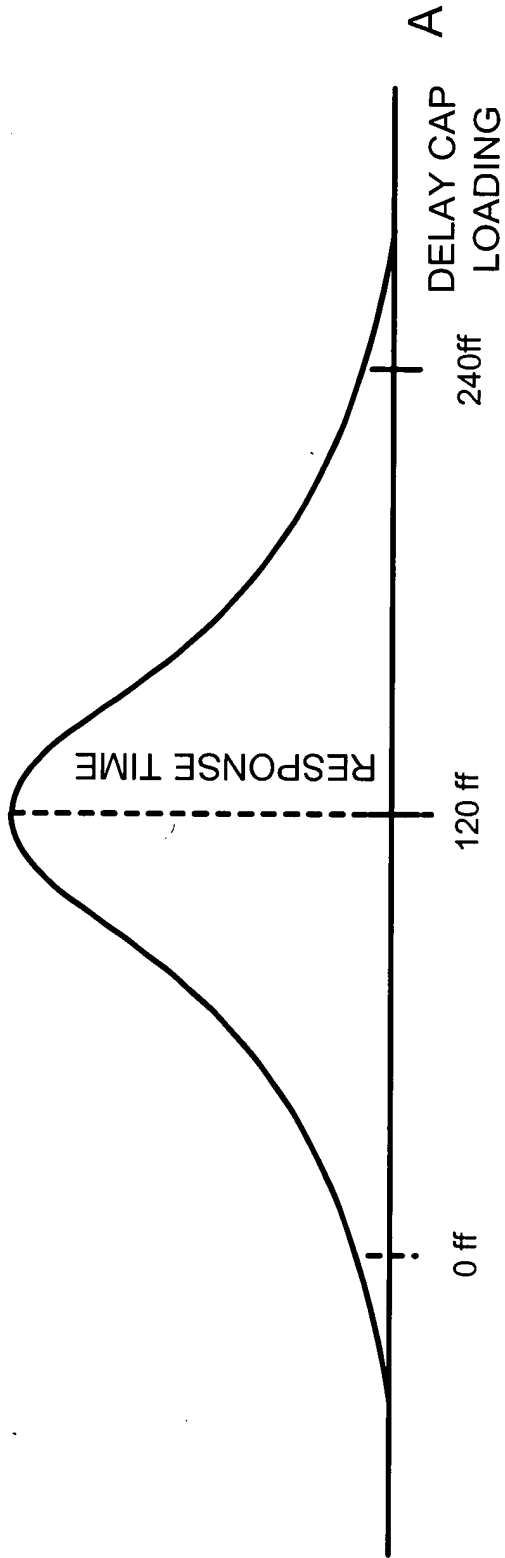


FIG. 12





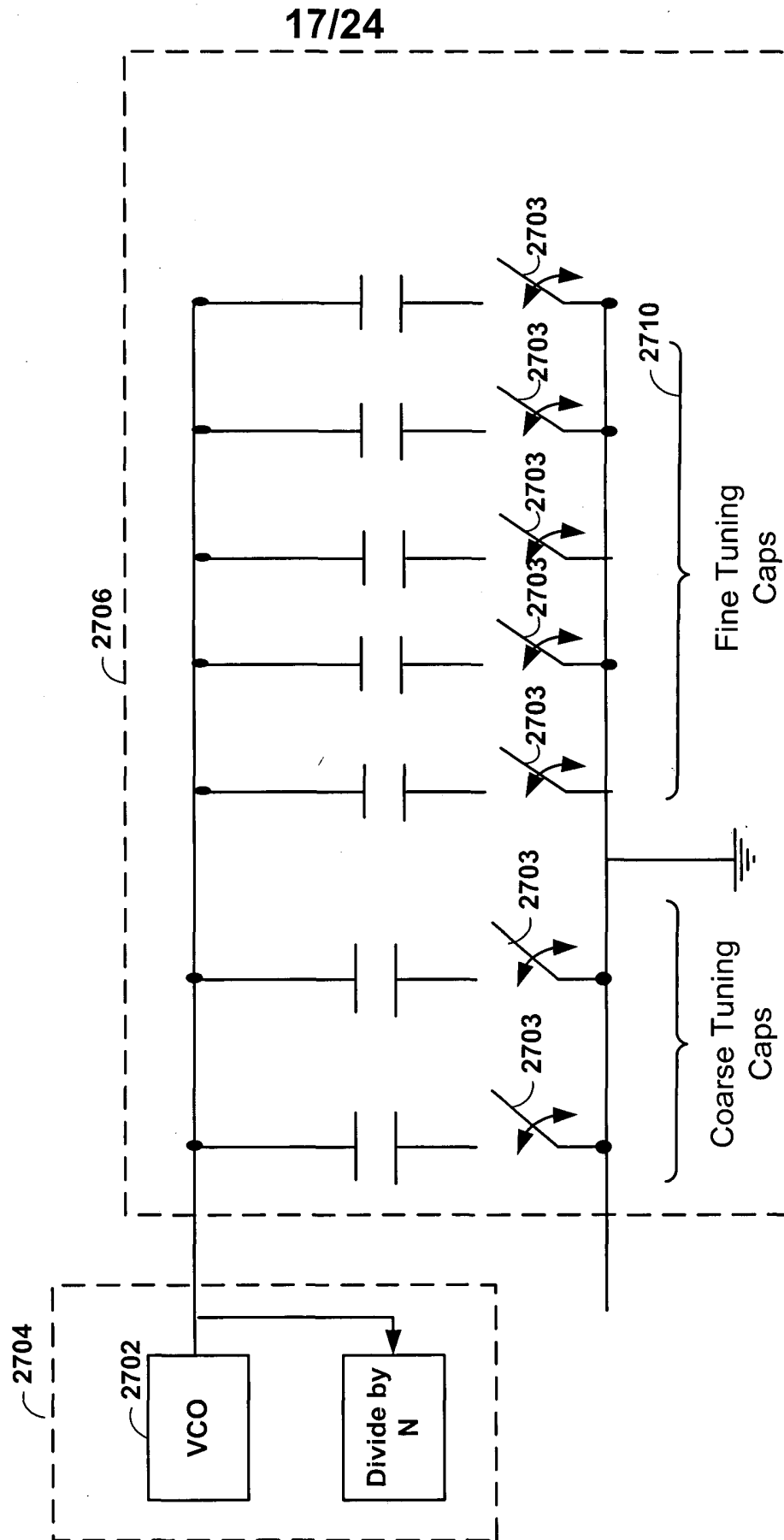


FIG. 14A

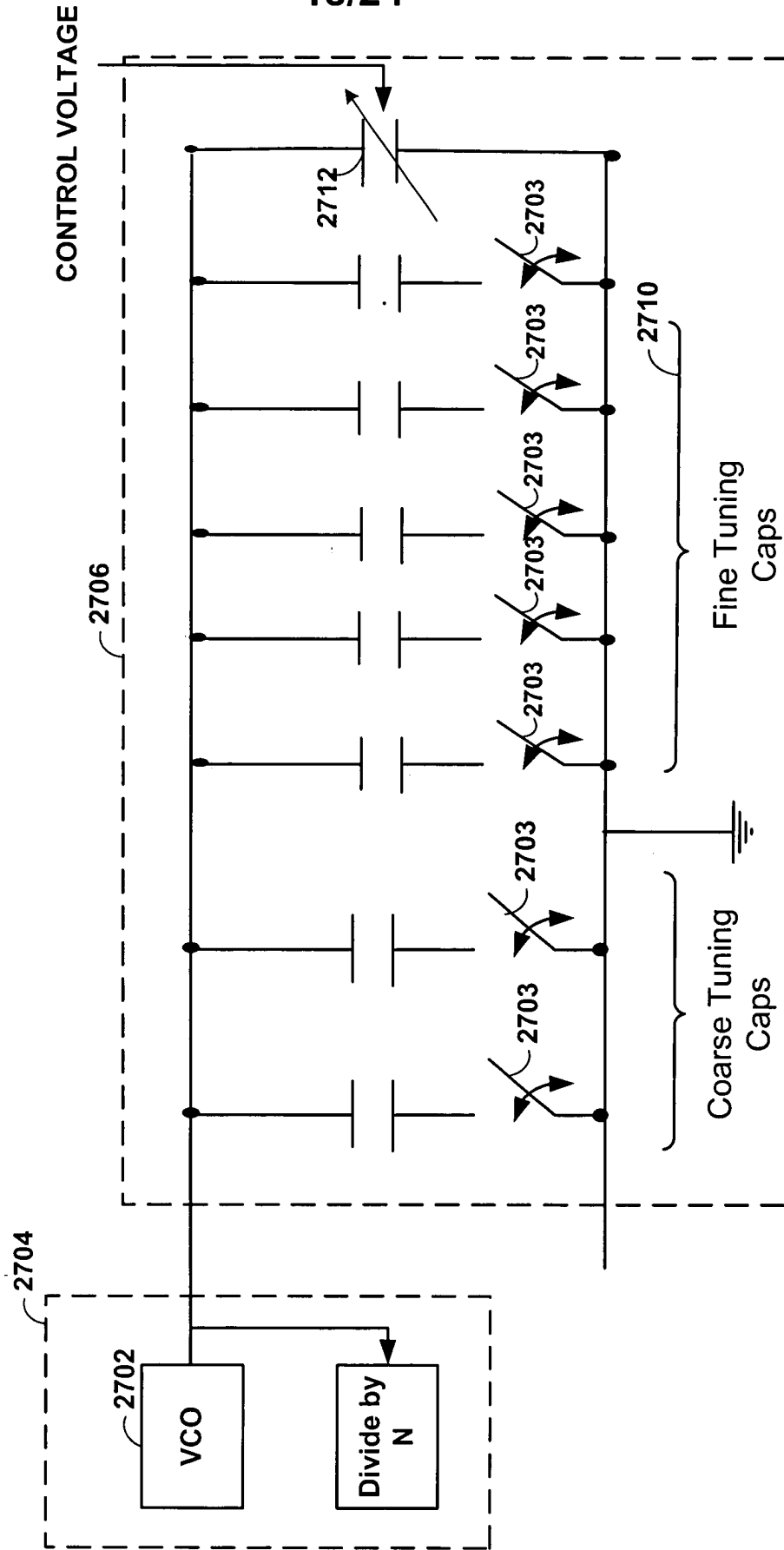


FIG. 14B

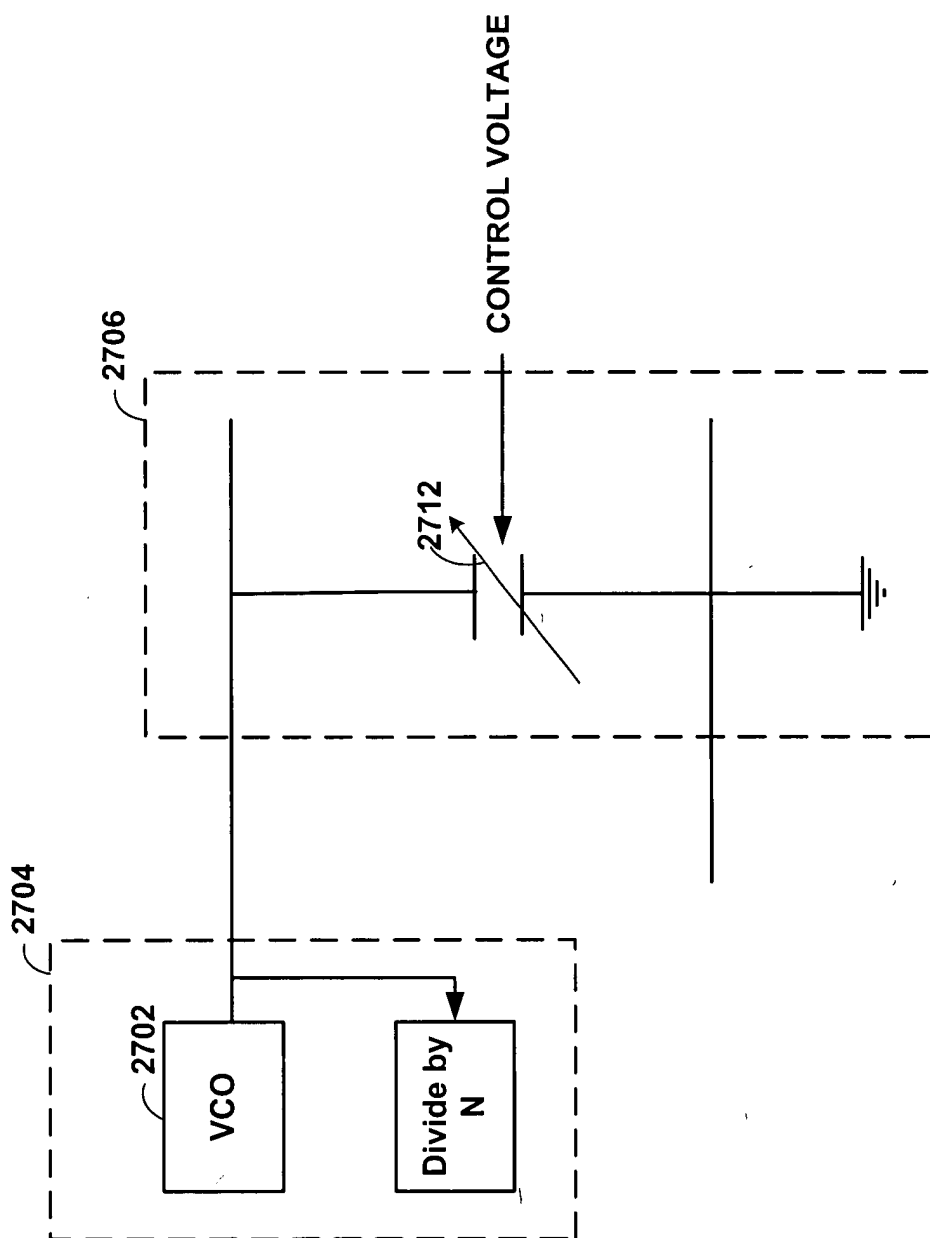


FIG. 14C

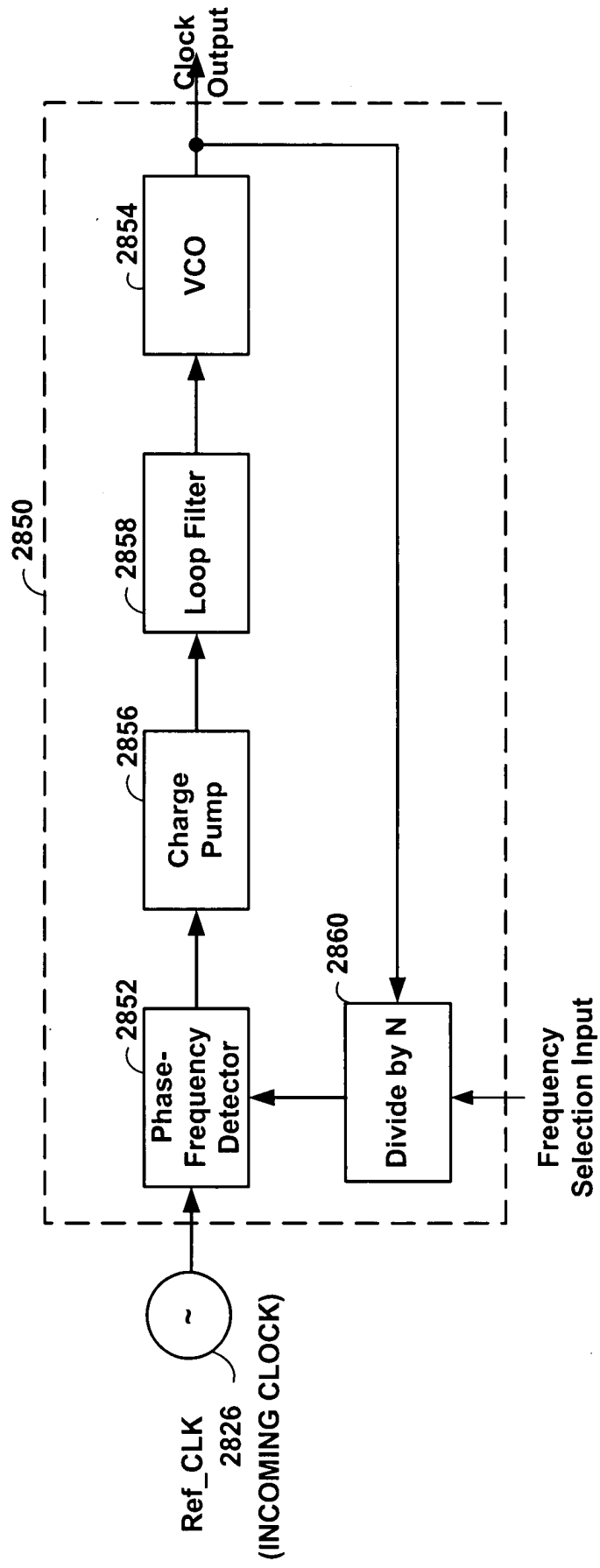


FIG. 15

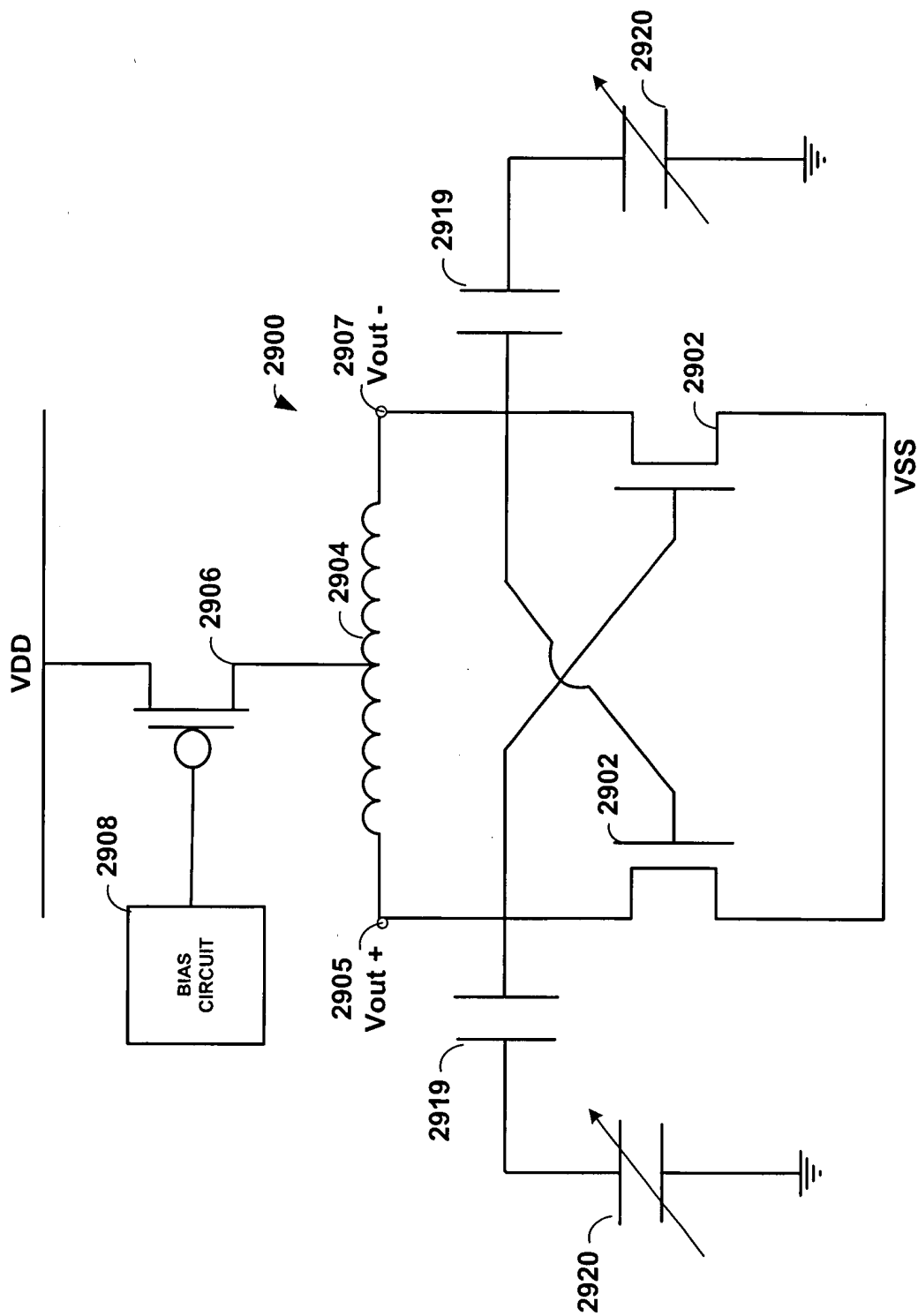


FIG. 16A

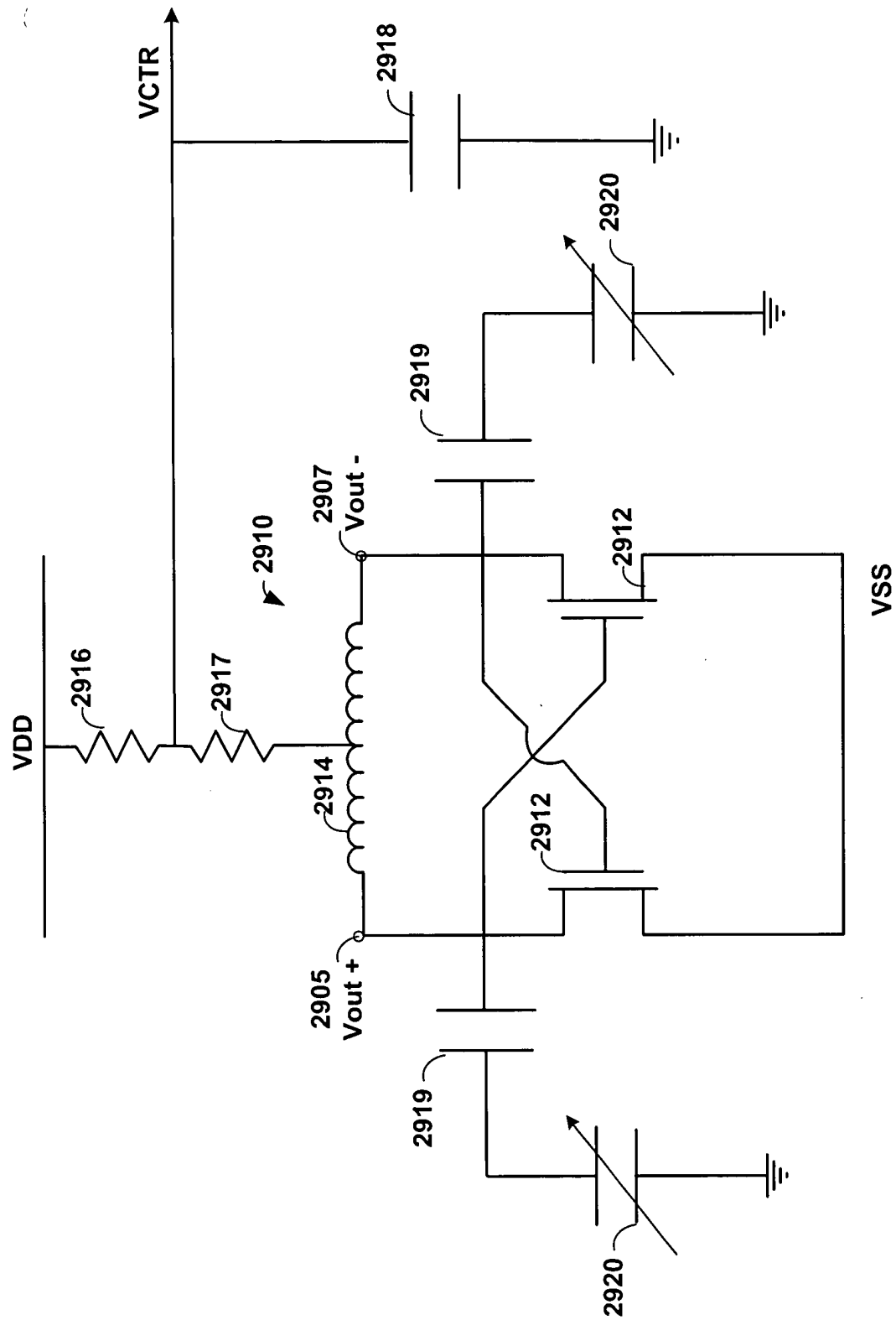


FIG. 16B

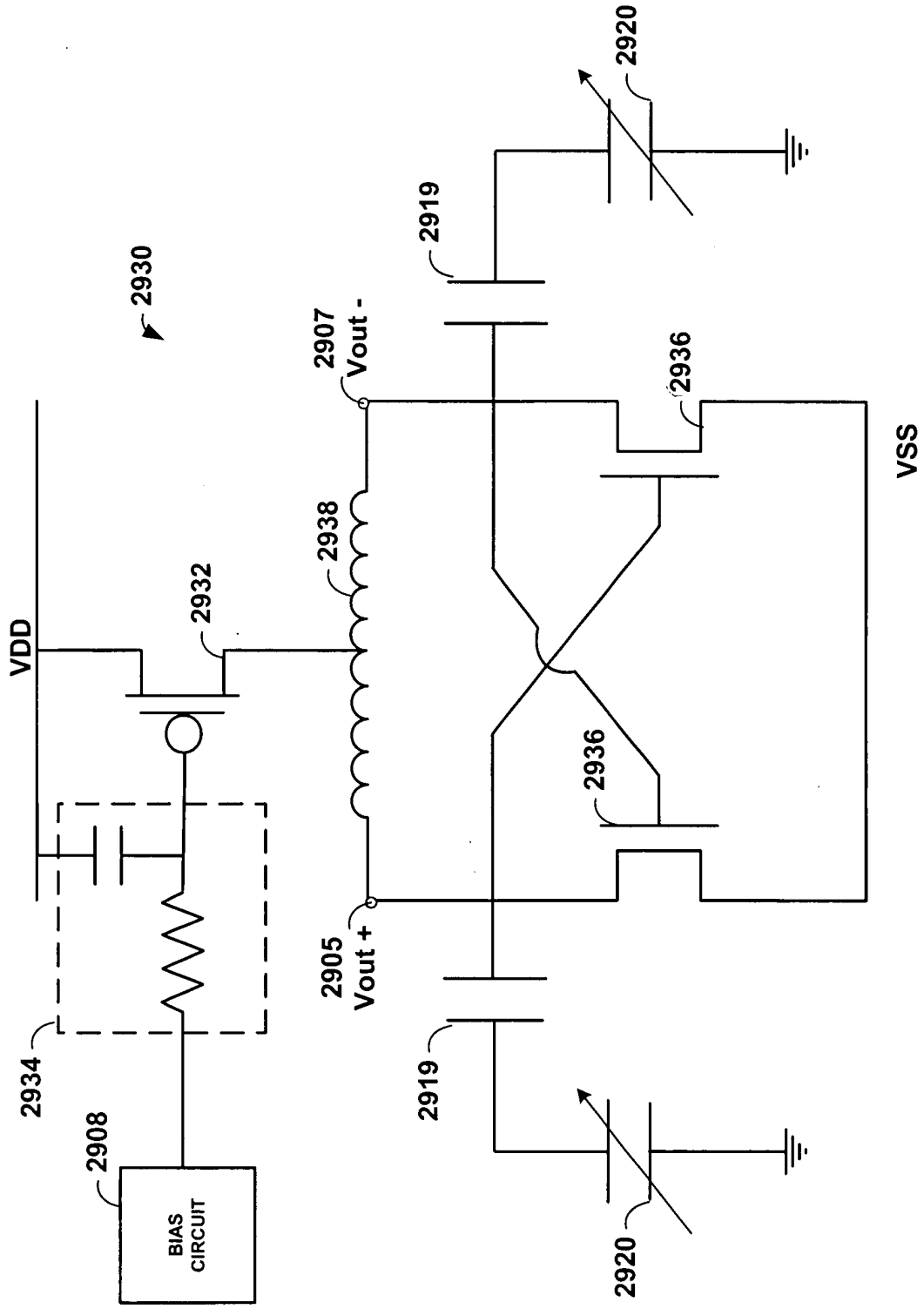


FIG. 16C

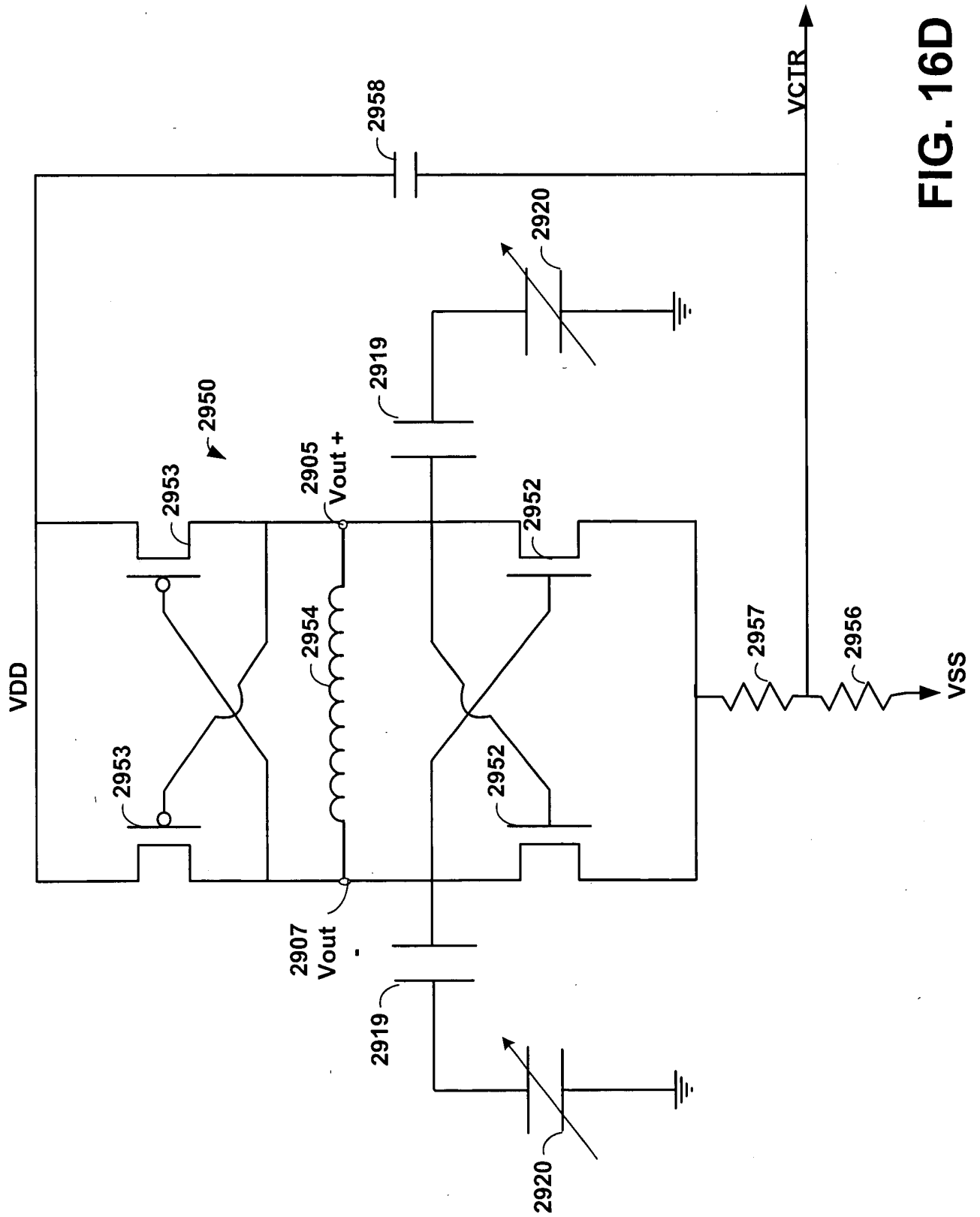


FIG. 16D